

API Documentation

The Barcode Lookup API documentation describes how to use our RESTful API service. All API responses are returned in JSON format. If you have additional questions, please email [support](#).

Authentication

Every user account is assigned one unique API key upon account creation. Authenticate each API call by including your API Key in every request.

https://api.barcodelookup.com/v3/products?key=your_api_key

Endpoints

GET	https://api.barcodelookup.com/v3/products	▲
-----	---	---

Parameter	Data Type	Example Value
barcode	string	865694301167
mpn	string	LXCF9407
asin	string	B079L4WR4T
title	string	Red Running Shoes
category	string	Home & Garden > Decor
manufacturer	string	Samsung
brand	string	Calvin Klein
search	string	Air Jordan Red Shoes Size 40
metadata	string	y
cursor	string	AoEpMTAwMDMxMDEw
page	integer	956
geo	string	us, gb, ca, eu <i>(only possible values)</i>
formatted	string	y <i>(only possible value)</i>
key	string	isDzhm4Kav42OD93NEO

Note: Use multiple API parameters (mpn, title, category and/or geo) to filter your search result



Curl Example

```
curl --include --header 'Accept: application/json'  
'https://api.barcodelookup.com/v3/products?  
barcode=3614272049529&key=your_api_key'
```

Request URL Example

```
https://api.barcodelookup.com/v3/products?  
barcode=3614272049529&formatted=y&key=your_api_key
```

Response Code

200

Response Body


```
{
  "products": [
    {
      "barcode_number": "886736874135",
      "barcode_formats": "UPC-A 886736874135, EAN-13 0886736874135",
      "mpn": "CE-XLR3200",
      "model": "XLR",
      "asin": "B01KUH2G8",
      "title": "Nike Red Running Shoes - Size 10",
      "category": "Media > Books > Print Books",
      "manufacturer": "Xerox",
      "brand": "Xerox",
      "contributors": [
        {
          "role": "author",
          "name": "Blake, Quentin"
        },
        {
          "role": "publisher",
          "name": "Greenwillow Books"
        }
      ],
      "age_group": "adult",
      "ingredients": "Organic Tapioca Syrup, Organic Dried Cane",
      "nutrition_facts": "Protein 0 G, Total lipid (fat) 0 G, I",
      "energy_efficiency_class": "A+ (A+++ to D)",
      "color": "blue",
      "gender": "female",
      "material": "cloth",
      "pattern": "checkered",
      "format": "DVD",
      "multipack": "8",
      "size": "7 US",
      "length": "45 in",
      "width": "30 in",
      "height": "22 in",
      "weight": "7 lb",
      "release_date": "2003-07-28",
      "description": "One of a kind, Nike Red Running Shoes th
```

```
"features": [
    "Rugged construction",
    "Convenient carrying case",
    "5 year warranty"
],
"images": [
    "https://images.barcodelookup.com/5219/52194594-1.jp{
    "https://images.barcodelookup.com/5219/52194594-2.jp{
    "https://images.barcodelookup.com/5219/52194594-3.jp{
],
"last_update": "2022-03-03 20:28:19",
"stores": [
    {
        "name": "Newegg.com",
        "country": "US",
        "currency": "USD",
        "currency_symbol": "$",
        "price": "41.38",
        "sale_price": "35.99",
        "tax": [
            {
                "country": "US",
                "region": "US",
                "rate": "5.00",
                "tax_ship": "no"
            }
        ],
        "link": "https://www.newegg.com/product-link",
        "item_group_id": "AB-4312",
        "availability": "in stock",
        "condition": "new",
        "shipping": [
            {
                "country": "US",
                "region": "US",
                "service": "Standard",
                "price": "8.49 USD"
            }
        ],
        "last_update": "2021-05-19 09:07:42"
```

```
        },
        .....
        .....
    ],
    "reviews": [
        {
            "name": "Josh Keller",
            "rating": "5",
            "title": "Love these shoes!",
            "review": "A stylish and great fitting shoe for i
            "date": "2015-03-19 21:48:03"
        },
        .....
        .....
    ]
}
]
```

Product Attribute	Data Type	Example Value
barcode_number	integer	7433144698629
barcode_formats	string	UPC-A 811158031873, EAN-13 0
mpn	string	CE-XL3200
model	string	4910
asin	string	B00Q6IU52S
title	string	Lord Of The Rings
category	string	Home & Garden > Decor
manufacturer	string	LEGO Systems, Inc.

Product Attribute	Data Type	Example Value
brand	string	Ralph Lauren
contributors	array	author: J. K. Rowling
age_group	string	newborn
ingredients	string	Tomatoes, Onions, Celery
nutrition_facts	string	Calories 85, Protein 7g
energy_efficiency_class	string	A+ (A+++ to D)
color	string	Purple
gender	string	Male
material	string	Leather
pattern	string	Dotted
format	string	Paperback
multipack	string	6
size	string	Large
length	string	3.7 in
width	string	4.8 in
height	string	2.5 in
weight	string	0.64 lb
release_date	string	2012-04-15

Product Attribute	Data Type	Example Value
description	string	Detailed product description...
features	array	•Long battery life •Batteries incl
images	array	https://images.barcodelookup.c
last update	string	2021-05-19 09:07:42

Store Attribute	Data Type	Example Value
name	string	ABC Widgets Ltd.
country	string	US
currency	string	USD
currency_symbol	string	\$
price	string	12.99
sale_price	string	7.49
tax	array	country: US, region: US, rate: 7.00, ta
link	string	https://www.storename.com/produc
item_group_id	string	A1BXC-GD2
availability	string	in stock
condition	string	new
shipping	array	country: US, region: US, service: Grou

Store Attribute**Data Type****Example Value**

last update

string

2022-04-17 12:09:18

Review Attribute**Data Type****Example Value**

name

string

Gary Jones

rating

string

4.5

title

string

Quick Charge

review

string

Very fast charger that's always reliable

date

string

2021-06-22 07:31:18

**GET** <https://api.barcodelookup.com/v3/rate-limits> ▲**Parameter****Data Type****Description**

formatted

string

beautify JSON output

key

string

your unique API key (required)

**Curl Example**

```
curl --include --header 'Accept: application/json'
'https://api.barcodelookup.com/v3/rate-limits?key=your_api_key'
```

Request URL Example

```
https://api.barcodelookup.com/v3/rate-limits?  
formatted=y&key=your_api_key
```

Response Code

```
200
```

Response Body

```
{  
  "allowed_calls_per_month": "500000",  
  "remaining_calls_per_month": "408498",  
  "allowed_calls_per_minute": "100",  
  "remaining_calls_per_minute": "97"  
}
```

Code Examples

Below are a few sample scripts to help you get started. The code examples demonstrate how to make an API call and print output in several popular programming languages.

PHP

Node.js

Python

Ruby

Java

Perl

```
const http = require('http');
const apiKey = 'ENTER_YOUR_API_KEY_HERE';
const barcode = '077341125112'; // Example barcode number - update accor
const apiUrl = `https://api.barcodelookup.com/v3/products?barcode=${barc

http.createServer(async (req, res) => {
  if (req.url === '/') {
    const response = await fetch(apiUrl);
    if (response.status === 200) {
      const data = await response.json();
      res.writeHead(200, { 'Content-Type': 'application/json' });
      res.end(JSON.stringify(data, null, 2)); // Pretty-printed JS
    } else if (response.status === 403) {
      res.writeHead(403, { 'Content-Type': 'application/json' });
      res.end(JSON.stringify({ error: 'Invalid API key' }));
    } else if (response.status === 404) {
      res.writeHead(404, { 'Content-Type': 'application/json' });
      res.end(JSON.stringify({ error: 'No data returned' }));
    } else if (response.status === 429) {
      res.writeHead(429, { 'Content-Type': 'application/json' });
      res.end(JSON.stringify({ error: 'Exceeded API call limits' }
    }
  }
}).listen(3000);
```

API Queries

Barcode

When you make a call with a UPC, EAN, ISBN or GTIN, the **barcode** parameter is used. A barcode query always returns one product, if data for that item is available.

```
https://api.barcodelookup.com/v3/products?  
barcode=815144010392&formatted=y&key=your_api_key
```

Partial Barcode

Query a partial barcode number by combining the first 6 or more digits, followed by an asterisk (*). This is particularly useful when you know the company's GS1 Company Prefix.

```
https://api.barcodelookup.com/v3/products?  
barcode=091207*&formatted=y&key=your_api_key
```

Batch Barcode

Query up to 10 barcode numbers simultaneously by combining each one with a comma (,).

```
https://api.barcodelookup.com/v3/products?  
barcode=814323021563,193574113730,614409280514&formatted=y&key=your_api_ke
```



Search Parameters

Make a query using the **mpn**, **asin**, **title**, **category**, **manufacturer** or **brand** parameters, individually or by combining these fields using the **&** (**ampersand**) operator. The more parameters you use, the more your output is filtered since you can target multiple fields at once with different values.

When you use a search parameter or when you combine parameters, you may retrieve more than 1 result and up to 10 results per page. Similar to how a search engine works: the first result is typically the most relevant, and the rest of the results become less relevant as you move down the list.

```
https://api.barcodelookup.com/v3/products?  
category=Apparel%20%26%20Accessories%20%3E%20Shoes&title=Running%20Shoes&f
```



Exact Match

Use double quotes on **manufacturer** and **brand** values to get an exact match. Without quotes, the results may include values with additional words or variations - a *fuzzy match* result.

```
https://api.barcodelookup.com/v3/products?  
brand=%22Calvin%20Klein%22&key=&formatted=y&key=your_api_key
```

Search Everything

Use the **search** parameter to query all the parameters with a single search string.

```
https://api.barcodelookup.com/v3/products?  
search=olive%20oil%20from%20italy&formatted=y&key=your_api_key
```

Metadata

Set the **metadata** parameter to 'y' to retrieve the number of pages and products for any search query. You'll also retrieve the 'next_cursor' value, which is useful for looping through the results.

```
https://api.barcodelookup.com/v3/products?  
manufacturer=samsung&metadata=y&cursor=y&formatted=y&key=your_api_key
```

Cursor

Use the **cursor** parameter in conjunction with the **metadata** parameter to loop through all the API results. Your first query should be 'cursor=y'. Take the 'next_cursor' value from the metadata response and set the value accordingly for 'cursor' on each consecutive query. Utilize the 'metadata' and 'cursor' parameter for any API query that returns multiple results, including all 'search' parameters and partial 'barcode' queries.

```
https://api.barcodelookup.com/v3/products?  
manufacturer=samsung&metadata=y&cursor=AoEpMTAwMjgyOTY4&formatted=y&key=yo
```



Page

You can also use the **page** parameter to loop through results. The 'page' parameter simplifies looping since you don't need to keep track of the cursor value. The drawback of the 'page' parameter is that you can only use it for up to 1,000 pages. So, if you're always going to loop through 10,000 results or less (10 results per page X 1,000 pages), then the 'page' parameter might be a slightly simpler solution than the above metadata and cursor looping method.

```
https://api.barcodelookup.com/v3/products?  
brand=apple&page=91&formatted=y&key=your_api_key
```

Formatting

In the above examples, the **formatted** parameter is used. Setting this parameter equal to 'y' is convenient for beautifying the JSON output in your browser, but not necessary for making API queries.

Encoding

Every API query must be properly encoded.

The **category** value: **Apparel & Accessories > Shoes** is represented as

```
Apparel%20%26%20Accessories%20%3E%20Shoes
```

 in an API query.

Rate Limits

Your monthly API call limit is determined by your [API plan subscription](#).

The monthly API quota is only deducted when data is returned from a request, which will have a [HTTP 200 status response code](#).

A maximum of 100 requests per minute are allowed. This rate limit can be increased for Enterprise accounts.

HTTP Status Codes

HTTP status codes returned from API:

200 OK

Data returned

403 Forbidden

Invalid API key

404 Not Found

No data returned

429 Too Many Requests

Exceeded API call limits

Update Account & Billing Information

You can update your API customer profile and billing information by [logging in to your API account](#).